



FEDERAL BUREAU OF INVESTIGATION  
WASHINGTON, D. C. 20535

- 1-Mr. Mintz (5040)
- 1-Mr. Cregar (4123 JEH)
- 1-Mr. Nettles (5048 JEH)
- 1-Mr. Cochran
- 1-Mr. Mortimer
- 1-Mr. Shaneyfelt

To: Mr. Robert F. Olsen  
Senior Counsel  
Commission on CIA Activities  
Within the United States  
Washington, D. C. 20500

May 27, 1975

FBI FILE NO. 62-116391  
LAB. NO. D-750415161 HO  
YOUR NO. D-750513010 HO

Re: Commission on CIA Activities  
Within the United States

*Clarence M. Kelley*  
Clarence M. Kelley  
Director

Examination requested by: Addressee

Reference: Two letters dated April 2, 1975, and April 9, 1975, directed to Mr. James A. Wilderotter

Examination requested: This report supplements reports to your office dated May 15, 1975, and May 20, 1975.

At your request the FBI Laboratory made additional studies of frame #413 of the Zapruder motion picture film, which is alleged to show an assassin with a rifle concealed in the foliage shown in the lower portion of this frame and adjoining frames.

It has been determined that the foliage shown in frame #413 is a small topiary tree, the trunk of which is seven and one-half feet from the abutment on which Mr. Zapruder was standing. It is estimated that an individual in the foliage of the tree nearest Mr. Zapruder would be approximately five feet from the camera. It was further estimated that Mr. Zapruder was slightly over one hundred feet from the limousine in frame #413.

Using an 8mm camera with a zoom lens, tests were made at a distance of one hundred five feet from a vehicle the approximate size of the Presidential limousine. From this position the zoom adjustment on the lens was adjusted so that the limousine appeared within the frame area in approximately the same size ratio as the limousine in the Zapruder film at frame #413. The car was then viewed through the 8mm camera

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and an individual was placed in the picture area at approximately five feet from the lens. The head of the individual in this test was found to fill approximately one-half of the camera picture area.

Comparing the above test with frame #413 of the Zapruder film, it was found that an individual in the position as alleged in frame #413 would have filled half of that frame and the head size of this individual would have been recorded in a size approximately six times that of the alleged assassin described as being in frame #413 and adjacent frames.

Additional tests made with the 8mm camera in the same zoom setting as described above show that the leaves of pyracantha foliage would have been recorded in the same approximate size as the foliage shown in the Zapruder frame #413 and adjacent frames.